

## MULTIMEDIA SIGNAL PROCESSING SYSTEM

### ABSTRACT

5 A multimedia signal processing system utilizes an easily manipulated, low-cost storage and display system that allows the user to view a television program and instantly review previous scenes within the program. The invention also allows the user to store selected programs while simultaneously watching or reviewing another. A versatile  
10 system architecture enables providing the invention in multiple configurations, each adapted to receive input signals from a different source. At the highest level, the system includes an input section and an output section. Across all configurations, the output section remains substantially the same, while the input section varies according to the signal type and the source. Thus, several configurations are provided, each one requiring only minor system board modifications. The system architecture thus simplifies the design and manufacturing challenge presented by producing units to serve different markets, such as digital satellite, digital cable and analog cable.

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